## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SC2004/000371

					101/302	70-1/0005/1	
Α.	CLASSIFICATION OF SUBJECT MAT	TER					
Int. Cl. 7:	B81B 7/00, 1/00; B01D 61/42						
According to	International Patent Classification (IPC) of	r to bo	th n	ational classification and IPC			
B.	FIELDS SEARCHED						
Minimum doc	mentation searched (classification system follows)	owed by	clas	sification symbols)			
Documentation	searched other than minimum documentation	to the e	xten	that such documents are include	ed in the fields s	earched	
WPAT, INS	base consulted during the international search OPEC keywords: actuat; electroosmo, tur; fluid, liquid, electroly; pressure, fo	electri	c do	uble layer, EDL, electroki	netic; piston,	plunger; micro,	
C.	DOCUMENTS CONSIDERED TO BE RELL	EVANT					
Category*	Citation of document, with indication, v	where a	ppro	priate, of the relevant passage	es	Relevant to claim No.	
Х	US 6537437 B1 (GALAMBOS et a Column 15 line 28 – column 17 line					1-2, 9, 11, 14-17, 24, 26, 29	
Α	US 6277257 B1 (PAUL et al.) 21 A Whole document, in particular, cold	August ımn 4	200 line	01 s 45-49			
Р, А	LASER D J and SANTIAGO J G, A Micromechanics and Microenginee published 19 April 2004 See pages R54-R56	A revie	ew c	f micropumps, Journal of 14 (2004), no. 6, pp. R35-R	464,		
	Further documents are listed in the cor	itinuat	ion	of Box C X See p	atent family	annex	
"A" docume	categories of cited documents: ent defining the general state of the art which is sidered to be of particular relevance	"T"	con	r document published after the interr flict with the application but cited to erlying the invention	national filing date understand the pr	or priority date and not in inciple or theory	
"E" earlier : interna	application or patent but published on or after the tional filing date	"X"	doc	ument of particular relevance; the cla annot be considered to involve an in	simed invention of sventive step when	annot be considered novel the document is taken	
or which	ent which may throw doubts on priority claim(s) this cited to establish the publication date of citation or other special reason (as specified)	"Y"	doc	ument of particular relevance; the cla plive an inventive step when the docu h documents, such combination bein	ment is combined	with one or more other	
"O" docum	ent referring to an oral disclosure, use, exhibition r means	"&"	doc	ument member of the same patent fa	mily		
"P" docum but late	ent published prior to the international filing date or than the priority date claimed						
	tual completion of the international search			Date of mailing of the internation	onal search repo	rt, 2 FEB 2005	
27 January	2005 ling address of the ISA/AU			Authorized officer			
	N PATENT OFFICE						
PO BOX 200,	WODEN ACT 2606, AUSTRALIA			JULIA HU			
	s: pct@ipaustralia.gov.au (02) 6285 3929			Telephone No : (02) 6283 2754			

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/SG2004/000371

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member							
JS	6537437	US	6797187						
US	6277257	AU	33783/00	EP	1169573	US	6013164		
		US	6019882	US	6224728	US	6572749		
		WO	0055502						

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX